



## What's Inside Mobile Computers

### Product Type

- [Key-Based Computers](#)
- [Pen/Touch Computers](#)
- [Stationary/Vehicle Mount](#)
- [Voice-over-IP](#)
- [Wearable/Scanning](#)

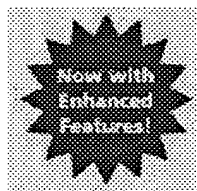
### Operating Systems

- [Palm OS® Home](#)
- [Pocket PC](#)
- [Windows CE](#)

### Peripherals and More

- [Accessories](#)
- [Printers](#)

## PDT 6800 Series Portable Data Terminals



### Links & more

- [Contact Symbol](#)
- [Acrobat® version](#)
- [Get Acrobat Reader](#)
- [Graphics Library](#)
- [Manuals](#)
- [Press Release](#)

## Rugged Terminals for Scan-Intensive Applications

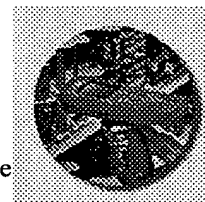
The PDT 6800 Series of rugged, portable data terminals combine mobile computing, integrated bar code data capture and optional wireless communications in a lightweight, ergonomic device. PDT 6800 terminals are ideal for data management activities and increase accuracy anywhere along the supply chain. The comfortable, "forward-scanning" design enhances productivity for scan-intensive applications in retail such as inventory management, replenishment and price management. Yet PDT 6800 terminals are also tough enough for applications in harsh environments such as manufacturing, warehousing and distribution.

PDT 6800 terminals are environmentally sealed against severe weather conditions, including dust and rain. They are rugged enough to withstand multiple 4 ft./1.2 m drops to concrete—across the entire operating temperature range; a rubber "boot" enhances product durability.

## Flexible Computing at the Point of Activity

This flexible productivity tool offers features such as standard, long-range, high-visibility, or two-dimensional scanning options and a 35- or 46-key alphanumeric keypad. Additionally, the PDT 6800 is available with wireless local area network (WLAN) connectivity for real-time, high-performance data transfer or extended memory for batch communications with your PC— you choose the right communications capabilities to meet your needs.

Whether users are performing inventory counts, shelf price audits, receiving, stock transfers or markdowns, the improved display is sharper and easier to read—even in full sunlight or in high-intensity, artificial light—for increased productivity. Add WLAN connectivity together with a premium performance scanner and you have a rugged decision support tool for real-time data management. Connect a portable printer and generate bar codes for price markdowns or shelf label changes at the point of activity. What's more, the PDT 6800 is equipped with a large-capacity battery to ensure ample power for full shift use.



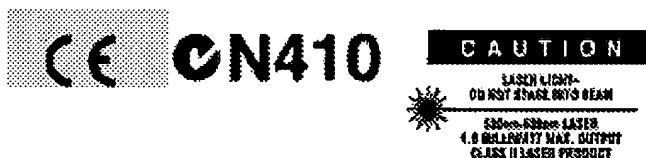
Symbol is the worldwide leader in bar code-driven data management systems with thousands of wireless network installations and millions of scanners and terminals in use. To find out how the PDT 6800 can work for you, call any of our convenient locations on the back address panel, or visit us at [www.symbol.com/mobile](http://www.symbol.com/mobile)

Features	Benefits
Integrated Symbol scan engine	Premium performance 1D or 2D data capture minimizes input error
Optional WLAN communications	Efficient real time information exchange for maximum productivity
Forward scanning, pistol grip ergonomics	Comfortable and well balanced for scan-intensive applications
Reliable, industry standard, DOS-based architecture	Allows for efficient programming and development of data-intensive applications
Improved 16-line display (NEW)	Easy to read display for indoor or outdoor use
35 (NEW) or 46-key alphanumeric keypad	Quick and easy data input
Sealed to IP54 standards against rain and dust	Terminal can be used in harsh environments
Large battery capacity (NEW)	Ample power for a full shift
Full line of accessories	Enables an application specific mobile solution

### PDT 6800 Series Specification Highlights

Physical Characteristics	
Dimensions:	7.0 in. H x 3.5 in. W x 8.8 in. L/178 mm H x 89 mm W x 224 mm L
Weight:	Batch: 24 oz./672 gm with battery Wireless: 26 oz./728 gm with battery
Operating Temperature:	-13° to 122° F/-25° to 50° C
Storage Temperature:	-13° to 140° F/-25° to 60° C
Humidity:	95% relative humidity, noncondensing
Drop Specification:	Multiple 4 ft./1.2 m drops to concrete
Environmental Sealing:	MIL-STD-810E/SAEJ1211/IP54
ESD:	15KV electrostatic discharge to all surfaces without loss of data
Keyboard, Standard:	35 or 46 large, hard, alphanumeric keys
Keyboard, IBM:	46 key, IBM 5250 or 3270 keypads and overlays
Display:	16-line by 21-character FSTN LCD, back light, reverse video, double-high and double-wide characters
Power:	Removable, rechargeable battery pack
Performance Characteristics	
CPU:	80C88 type @ 8 Mhz
Operating System	DR-DOS
ROM:	128 KB EPROM (DOS, Terminal Diagnostics)
RAM:	640 KB Standard (up to 6.1 MB for batch option)
Non-Volatile Memory:	256 KB Standard (up to 1.2 MB for RF option)
Application Development:	Symbol Series 3000 Applications Development Kit
Wireless Data Communications	
Wireless Local Area Network:	Optional IEEE standards-based Spectrum24 802.11 or 802.11b
Data Rate:	2 Mbps (frequency hopping) and 11 Mbps (direct sequence)
Frequency Range:	Country dependent, typically 2.4 to 2.5 GHz
Output Power:	100 mW version available

Antenna:	Internal
Range:	2 Mbps: up to 2000 ft./606 m in open environments and up to 180 to 250 ft./54.5 to 75.7 m in a typical office or retail store 11 Mbps: Open space – up to 1000 ft./303 m; Typical: 180 ft. to Radio; Channel 250 ft./54.5 to 76 m
Radio Channel Access Method:	CSMA/CA
Ethernet Compatibility:	DIX Ethernet
<b>Peripherals and Accessories</b>	
Cradles:	Single slot and four-slot cradles available
Printers:	Supports extensive line of Symbol-approved printers, cables and accessories
4-Slot Battery Charger:	Recharges multiple batteries
Battery Adapter:	Used with Universal Battery Charger
<b>Regulatory</b>	
Electrical Safety:	Certified to UL 1950, CSA C22.2 No. 950, EN60950/IEC950
EMI/RFI:	FCC Part 15 Class B, ICES-003 Class B, European Union EMC Directive, Australian SMA
Hazardous Locations:	Factory Mutual Approved: Class I, Division 2, Groups A, B, C, D; Class II, Division 2, Groups F, G; Class III, Division 1, 2  TUV Certified: EEx ib IIC T4
Laser Safety:	CDRH Class II, IEC Class 2



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